

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	88	381/102-109.ccls. and (volume near3 settings)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 18:35
L3	0	381/102-109.ccls. and (stor\$3 sav\$3) with ((total number) near2 volume near3 settings)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 18:35
L4	2	381/102-109.ccls. and ((total number) near2 volume near3 settings)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 18:36
L5	6	381/102-109.ccls. and ((total number) near2 volume near3 levels)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:13
L6	6	381/102-109.ccls. and ((total number) near2 volume near3 (degrees grades levels))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 18:49
L7	19	381/102-109.ccls. and (total number) with (volume near3 (degrees grades levels))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:04
L8	170	381/102-109.ccls. and (increas\$3 with volume with ("1" one))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:05
L9	59	381/102-109.ccls. and (increas\$3 near3 volume near3 ("1" one))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:05
L10	921	381/102-109.ccls. and ("0"(compar\$3) with ((total number) near2 volume near3 levels))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:14

## EAST Search History

L11	0	381/102-109.ccls. and (compar\$3) with ((total number) near2 volume near3 (degrees gradeslevels))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:14
L12	0	381/102-109.ccls. and compar\$3 with (total number) with volume near3 (degrees gradeslevels)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 19:14
S3	3	((("6747678") or ("20020031236") or ("5513268"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/20 17:15
S4	21	lim.in. and volume same interval	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/20 17:17
S5	82	kim.in. and volume same interval	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:15
S6	51	samsung.AS. and volume same interval	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/20 17:16
S7	9	("4239938"   "4270177"   "4349779"   "4412182"   "4527230"   "4611344"   "4706294"   "5010577"   "5081682").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/21 13:55
S8	1	kim.in. and volume same interval same increase same decrease	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:16
S9	712	Le and (part same interval same sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:16
S10	1	S8 and (part same interval same sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:18

## EAST Search History

S11	1	S8 and (appl\$4 same interval same sound)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:27
S12	1	S8 and (minimum same maximum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:45
S13	8	S7 and (minimum low) same (high maximum)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/21 14:45
S14	992	(381/107,109).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/26 15:53
S15	722	(381/104).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/29 10:02
S16	454	(381/106).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/29 09:52
S17	11	381/102-109.ccls. and (minimum low) same (maximum high) same increase same decrease same (period interval frame)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/04/01 18:34
S18	178	(381/102).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO	OR	OFF	2007/03/29 10:02